The DX Bulletin

• *America's Oldest Weekly Amateur Radio Publication* •

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PROPAGATION: (Extended forecasts): Jun 19-21, Disturbed; Jun 22, Low/Below Normal; Jun 23, Low Normal; Jun 24, High Normal; Jun 25, Disturbed; Jun 26, High Normal; Jun 27, High/Low Normal; Jun 28, High Normal. TNX N4XX.

Flux (81)	Flux (82)	Flux (83)	Flux (84)	Date	Flux (85)	Alpha (85)	K (85)
165	142	148	96	6/7	86	29	3
181	144	174	95	6/8	86	19	2
148	172	169	92	6/9	87	10	5
157	188	157	91	6/10	89	29	3
150	218	154	90	6/11	89	12	2
147	256	135	90	6/12	87	10	3
148	233	131	90	6/13	86	5	2

KH6BZF Reports was saying that the upward swing in solar flux would probably peak about Jun 12 or 13. Although solar output remains very low the higher flux resulted from a few old spots making their way around the sun.

*OH2BH/ZA on 20 Meter CW June 10 was a pirate. In cases like this it can usually be assumed that Martti Laine would have provided advance publicity, which he has always done in the past. With a brand-new leader, Albania's bureaucrats are unlikely at this time to make a policy such as allowing amateur radio activity for the first time in 13 years.

*3B8CF is still saying (June 12) that he is working on cutting through the red tape for a 3B6/7 Agalega operation. Jacky is aiming for early July if permission comes through.

*Francis, FW8AF, the only amateur on Wallis, says he's leaving in a few months. He has a schedule daily on 14.275 at 0800Z, then listens for calls. Correst address is PO Box 92, Mataufu, Wallis Island, via Noumea, S. Pacific.

*More and more stations are turning up from China. K3ZO got his QSL for a May 10 contact with BY0AA in Wulumuqi (Urumchi on many maps), which is near the Kazakh UL7 border north of Tibet. There is still doubt about the location of BY8AC but it probably is near BY8AA, in the Szechwan province and about a thousand miles due north of Ho Chi Minh City.

A group of Japanese were rumored ready to operate this past week, possibly with BT1 callsigns, but we are suspicious as no mention of this appeared in the Japanese press.

*The Southern California DX Club, next year's sponsor of the Fresno DX Convention, have invited several Chinese to attend the event next April. Those on the list include Wang Xjun, vice director of the China Radiosport Association (CRSA), Tong Xiao-Yong, head man at BY1PK, and Yuan Bo, chief op at BY1QH.

The Convention has offered to provide transportation and accomodations within California, and they are also in touch with Dayton Hamvention officials regarding feteing the Chinese in that city. As the three officials are employed by China to be radio operators, it will be interesting to see what the response is.

*G3KQL/TT8 has been checking into a net on 20 SSB and saying he would be in Chad until Jun 26. Unfortunately, it has been several years since anyone got operating permission from Chad. This may be another case of "verbal authorization." DX News Sheet adds that the license is "military," and the station is using poor antennas aimed toward N. America.

*AH9AC has been worked on 14.179 around 1300Z. His name is Tom and says he's with the meteorological service and will be on Wake for "a few months." You can QSL direct to Box 445, Wake Island, via Hawaii 96898. W1ISD is reportedly going to be QSL manager but he does not yet have cards.

*Another recent appearance was by S92LB, who seems to be a Sao Tome resident, speaks Portuguese, and is a very slow operator. He was on 20 SSB June 10, no mention of QSL info, etc.

*Father Dave Reddy, CE0AE, reportedly died June 6. For years he was the only active resident ham on Easter Island, but he may be best remembered for encouraging a big crop of other Islanders to get their licenses in the past few years.

*Angelo, D44BS, is now residing in the U.S. and will be here for about 2 years, leaving D44BC the only ham now on Cape Verde. Angelo has his logs from 1980 on, and you can get QSLs by writing to Angelo Mendez, 137 Chestnut St., New Bedford MA 02740.

*OH0MM/OJ0 recently was by OH2BAZ, OH2BVI, OH2KI, and OH3JR; they made 5,000 contacts in 35 hours. High winds and heavy seas almost scrapped the operation, as only two of the operators made it onto the reef. The other two returned to the Aland Islands, and later got onto Market in a larger boat. Incidentally, the OJ0 is for our benefit, because to the Finnish authorities OH0 is both the Aland Islands and Market Reef. Since the government has recently been authorizing prefixes such as OG, it is entirely possible that somebody could come on from Fin land using an OJ prefix.

*P29JS says T32AN, Phil, is apparently the only ham left on Christmas Island, as T32s AB, AF, and AY have left. Jim says T32AF was back on the island recently to "pack up." QRZ DX reported that T30AT was going to be on from Canton, T31AT, the last two weeks of June, but we have seen no reports of him.

*ZL1AMO, during a recent visit to California, said that Chris, operator of ZL4OY/A and ZL7OY, will probably be going to Kermadec in October, as part of the regular weather station crew change. If so, he plans to operate as ZL8OY.

*Visitor VR6JR is on from Pitcairn, operating from the VR6TC station.

*WB6GFJ is rumored off to the Pacific again; will operate FO0FB, Tahiti, until early August, followed by ZK1XE.

*W0ORE's operation from the Space Shuttle Challenger commences Jul 15; the departure date was moved up from Jul 15 to Jul 12. He will work fm and sstv only, and the operating schedule is very complex. ARRL has details and updates in their publications, as does the W5YI Report. You can also

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SIXTH ANNUAL TDXB DXCC

COUNTRIES-NEEDED SURVEY

ENCLOSED is your response sheet for this year's Survey. PLEASE fill it out and return it now. It must be re-folded exactly as it came to you, and sent back without additional folds, or it will not go through the reading machine.

Please send the form back even if you need only a few countries...for example, say you need two mixed, four phone, and ten on CW; consider combining your needs and filling out the form to reflect the DXCC countries you need for the various DXCC's.

The accompanying chart shows the Top 20 for the past five Surveys which we have conducted. Try your hand at predicting the Top 20 this year. Last year, your editor picked 29 out of the top 30 correctly, but the order wasn't perfect. This year's predictions are easier because there hasn't been as much activity in the Top 20. Here are our predictions:

1.	ZA	11.	S2
2.	7O	12.	A6
3.	XZ	13.	S9
4.	3Y	14.	1S
5.	VU/A	15.	XU
6.	XV	16.	SV/A
7.	4W	17.	A5
8.	YA	18.	C9
9.	5A	19.	ZS2MI
10.	XW	20.	VP8/S GA

REMEMBER that operations the past year which do not count for DXCC include DJ5CQ/SV/A, 5U7LD, 5X5GK, and G3JKI/5A. 5X5BD is in limbo.

Our predictions reflect dumping BY, CE0X, and Clipperton from the Top 20 this year. You may have different ideas, and remember that a new crop of DXers will include those who missed Heard Island in early 1983, the Laccadives in early 1984, and Kermadec just over a year ago.

1980	1981	1982	1983	1984	1985???	
BY	BY	BY	ZA	ZA		1
VK9K*	VS9K*	VK9H	VU7L	7O		2
XZ	XZ	VU7L	XU	XZ		3
ZA	ZA	ZA	7O	3Y		4
VU7L	VU7L	XU	XZ	CE0X		5
VK0H	VK0H	7O	VU/A	VU/A		6
7O	7O	3Y	3Y	XV		7
XU	XU	VU7/A	CE0X	4W		8
FB8W	FB8W	XZ	BY	YA		9
VU7/A	3Y	CE0X	XV	XU		10
CE0X	CE0X	HK0M	HK0M	5A		11
3Y	VU7/A	XV	YA	XW		12
3X	HK0M	4W	4W	S2		13
FR/J	XV	YA	XW	BY		14
FR/G	YA	PY0P&P	A6	A6		15
9U	4W	FB8W	5A	S9		16
XV	S9	A6	ZL/K	1S		17
HK0M	PY0P&P	TT	S2	SV/A		18
YA	A6	XW	S9	A5		19
4W	7Q	ZL/K	1S	FO0C		20

*deleted

HERE IS a real life example of a mixed DXCC progression, this one over a six-year period beginning April, 1979. You might want to do the same thing for yourself, even going back to your DXCC Zero if you're brave (or a newcomer). This chart might aid you in guessing the Top 20 for this year; the DXer profiled in these figures began with a current countries total of 279 in mid-1979 and worked every DXCC country he needed from then through now.

This would be fascinating in the case of someone who began DXing in the late 40's and now has them all worked. Any volunteers?

4/79	4/80	4/81	4/82	4/83	4/84	4/85
BV						
BY	BY	BY	BY	BY		
FB8W	FB8W	FB8W				
FB8Z	FB8					
FH8						
FR/G						
HK0M	HK0M	HM0M	HK@M	HK0M		
KC6(W)	KC6(W)					
KH5K	KH5K	KH5K				
S2						
TL						
TN						
TZ						
VK9M	VK9M	VK9M	VK9M			
VK9W	VK9W					
VK0H	VK0H	VK0H	VK0H			
S SAND	S SAND	S SAND				
VU7/A	VU7/A	VU7/A	VU7/A	VU7/A	VU7/A	VU7/A
VU7/L	VU7/L	VU7/L	VU7/L	VU7/L		
XU	XU	XU	XU	XU		
XZ	XZ	XZ	XZ	XZ	XZ	XZ
YI	YI	YI	YI			
ZA	ZA	ZA	ZA	ZA	ZA	ZA
ZL/AUC	ZL/AUC					
ZL/K	ZL/K	ZL/K	ZL/K	ZL/K		
1S	1S	1S	1S	1S		
3B9	3B9					
3C0						
3Y	3Y	3Y	3Y	3Y	3Y	3Y
4U1UN	4U1UN					
6O	6O					
7O	7O	7O	7O	7O	7O	7O
9U	9U					
ABU AIL	ABU AIL					
279	289	298	300	304	310	310

listen to WA3NAN retransmitting Shuttle (NASA) audio on 3860, 7185, 14295, 21390, and 147.450; they are planning to announce updates to the W0ORE/space schedule, too.

*PY1SL rumored will operate Trindade /PY0T soon, mostly CW. And PT7WA writes that PY0FG on Fernando de Noronha has a license for 40 and 80 Meter phone only, and he isn't particularly active.

*Thanks to K6SSJ for sending a copy of the newspaper obituary on Don Wallace, W6AM. It appeared in the Los Angeles Times, and was circulated on their own press service, not by the Associated Press.

*Tentative program for the Pacific Northwest DX Convention (Jul 26-28, Richmond BC Canada) includes VE7IG, VE7BC, W6OAT, NA6T, KD7P, and W6NLZ. Information and reservations from Ken Thompson, VE7BXG, 12467 53rd Ave., Surrey BC V3W 1A4 Canada.

*Reported from Australia, via the DX News Sheet, that Sebastian Mattos, PY1SM, died recently less than a month short of his 100th birthday. He was perhaps the oldest active amateur.

*Latest issue of the newsletter of the Yankee Clipper Contest Club has some information and questions about various station glitches. If you have any of these or have answers, the Club would appreciate hearing from you (write to editor K1XM, 11 Michigan Dr., Hudson MA 01749).

#Using Fox-Tango SSB filters in the Kenwood TS930, causes key clicks. K1GQ observes that the best solution would be for Kenwood to improve the synthesizer.

#Using a D-Lay-5 with a Tailtwister rotor causing hum in the receiver audio when the antenna is rotating. Solution needed.

#Hum in the popular (among contesters) Beyer headset microphone. Solution needed here, too.

*Remember VE3FXT and his 'round-the-world goal of operating from a hundred countries? Canada's Long Skip got a letter from George, saying he had made 6,000 contacts as F9FXT, /ZS, 7P8BE, S42FXT, VE3FXT/3D6 and H5FXT. He was on his way to Europe for a month and would be on from various spots, mostly in the British Isles.

*June issue of Long Skip has some interesting antenna profiles, and you could probably get a copy from VE3XR by sending a buck or two. VE7IG reports about ten or twelve people in North America have the KLM 80 Meter yagis up (they come in 2, 3, and 4-element models). Only two (WA1EKV and W2HCW) are in the Northeast snow-and-ice belt. It is also noted that several JAs and at least one amateur in Indonesia have the monsters ready to go up.

Also in that issue, is a description of the OH8OS 20 Meter array, featured at the Fresno Convention back in April. This set-up uses 6-element yagis in a 6X6 over 6X6 over 6X6 configuration, and is estimated at 25 dBi gain. The whole thing is "automatically steered in real time" by an INTEL SBC computer.

At OH8OS, with six different beams to choose from and an almost unlimited number of configurations, a computer seems the only way to pick the optimum combination. Clearly, the usefulness of the array is mainly on receive, as rapid sampling and switching is required, something not possible at high transmit power levels.

Five years ago in *The DX Bulletin*

(June 16, 1980): JA8BMK was in Laos, where was told that the year before a foreigner "was found operating amateur radio near the national airport" and was subsequently deported. Japan was reporting that pressure was on to delete Okino Torishima from the DXCC list, that pressure being applied by the same DXers who had opposed the move in the first place. ZS5UU and others were in Mozambique, investigating operating possibilities, and OH2MM and OH2BH were operating from the S. Sudan, after helping set up 6T1YP. 3B9CD was rock bound on 14.241 from Rodrigues, VK3OT was headed for July operations from Willis, and K5KG finished up an Aland Island operation. DK2OC had moved his 10 Meter gathering to 15 for the summer.

In June 1960, Danny Weil was sailing Yasme to Bajo Nuevo and came on Jun 12. VR6TC was in Australia for "radio training."

In June, 1970, Gus Browning, W4BPD, had left the Comoros for Geyser Reef. And W5ACA told of losing his ZM6AA West Somoa QSL, which fell down a crack during an earthquake. Pat found it later.

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FOR SALE

ALPHA 76A, (3) 8874s, Hypersil transformer, mint condition, current model with original carton. $1895. Everett Jackson, WA8CZS, 614-452-7971 evenings.

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CONTRIBUTORS

KA1BU, KB1BE, KA1XN, K1MEM, WA8CZS, VE7DXG, VE7DX, KB8KW, W4VQ, K4BAI, N4NO, KD7SO, W8CT, K6IR, W9DH, KB2XR, K0CVD, P29JS, W7YF, KL7Y, K3ZO, K6SSJ, WB1DQC, W0MCP, K9RHY, KM1E, K1KTB.

CALENDAR

ISSUE 291

TDXB SURVEY	NOW! Please return promptly.
NEW BAND	24 MHz opens for U.S. Jun 22; I287
"CONTEST"	ARRL Field Day Jun 22,23
CONTEST	IARU Radiosport Jul 13,14
CONVENTION	Northwest DX, sponsored by the British Columbia DX Club, Jul 26-28, Vancouver. Details I291
CYPRUS	RAF bases DXCC credit Jun 1; I274
MAURITANIA	5T5MS until July; no reports
SHUTTLE	W0ORE/space starts July 15
TRINDADE	By PY1SL rumored soon; I291
MIDWAY	By WH6O soon; check P29JS net
CHAD	G3KQL/TT8 on now; Issue 291
SAO TOME	S92LB on, documentation? I291
WALLIS	FW8AF leaving soon; I291
PACIFIC	FO0FB rumored by WB6GFJ now; I291
RAMADAN	Now; lots of Middle East activity
PREFIX	GO/KOVV from England Jun 15-Jul 14
UGANDA	By KC7UU possible soon; I285 5X5BD license rumored good
WAKE	AH9AC there now, need reports, I291
8J1XPO	Japan expo through Sept I290
PITCAIRN	DXPress says ZL4DW/VR6AB there for next two months, Saturday best G3OKQ/VR6JR now; I291
BRAZIL	Calls for fire prevention Jun 30-Jul 6
FRANZ JOSEF	UA1OT, UW3HY/1, and EO1AOK all active
CHINA	BY5RA with W7PHO 14.227/0000Z; Issue 287 BY1QH almost daily 14.227 at 2300Z. Possible JA activity now I291
ST BRANDON	Rumors of a 3B7CD operation soon by 3B8CD.
RODRIGUES	3B9CD leaves this month
AGALEGA	3B8CF trying for early July; I291
S SHETLANDS	4K1F there on 40, 20 CW;
MOZAMBIQUE	C90A active, no DXCC credit; Issue 281
UGANDA	5X5GK active, no DXCC credit
GUINEA-BISSAU	J5WAD active on 20 only
MACQUARIE	VK0GC likes 75 SSB at 1000Z; on 20, too
RHODES	K7VAY/SV5 now through Jul, CW
VATICAN	Rumored by I5FLN, I8AA end of June
S GEORGIA	British operaton probably cancelled
KERMADEC	ZL7OY possible in October; I291
ANTARCTICA	FT8YY confirmed, Nov, NOT Kerguelen